

April 13, 2010

ITB: 005362
"SAN Storage"

Addendum II

Due: 04/20/10 at 2:00 P.M.
Buyer: Delores Garner-Bryant

The purpose of this addendum is to answer questions inadvertently omitted from addendum 1 and extend the date to answer question until April 13, 2010.

Question 1. In working with our partner GE, it's currently estimated that the RIS-IC application will require a total of approximately 30 drives in a mix of FC and SATA. This solution is typical of several other RIS-IC customers we've worked with GE to support. Those customers have purchased an EMC array that scales either to 60 or 120 drives unless they were consolidating other applications on to that array.

Answer 1. We are planning for future growth which may include additional application. Those applications and thus connectivity needs are not known at this time.

Question 2. Certain specifications for the storage arrays call for requirements which, as it reads, are very restrictive and limiting. Three such specifications are :

- A. "Must utilize SATA, 10K and 15K RPM SAS disk drives with the ability to mix drive types in a single tray."
- B. "Ability to support expansion trays with 48 SATA drives in a 4U high tray"
- C. SATA and SAS drive requirement with the ability to expand to 240 drives (SATA and SAS)

From our perspective, we know that we have qualified solutions and references, as called for in section 5.4 LIST OF USERS (references specific to academic multi-hospital health systems utilizing proposed solution on GE RIS-IC); these qualified solutions for GE RIS-IC would NOT meet the exact specifications highlighted above, though we can offer very similar drive options and tray densities.

Could LSUHSC clarify its requirements and intentions for these specific items, and provide a means for other vendors to be able to respond with similar, qualified solutions that won't be disqualified for not meeting these exact specifications highlighted above ?

Answer 2. The published specifications represent the minimum requirements of the University.

Question 3. What types of applications will be utilizing this SAN?
For example: Exchange, Databases (SQL, Oracle, etc); and what versions?

Answer 3. The application is listed in the ITB. There are many components of the application including document imaging and SQL databases.

Question 4. What types of applications will be using RAID5 vs. RAID10 LUNS?

Answer 4. Detail is not available.

Question 5. Where is Raid0, 1, 6 going to be used for (your configuration requirements only specifics RAID10 and RAID5)?

Answer 5. The specs were written to meet LSUHSC's needs for this application and future applications.

Question 6. Do you have specific IOPS requirements? Specifically, there is a request for 1TB SATA drives, but using 500GB SATA drives will provide better IOPS (more spindles) and is less expensive.

Answer 6. The specs were written to meet LSUHSC's needs.

Question 7. Can you clarify either you need a "redundant/clustered" system per data centers, or 2 separate systems, and are they mirrored?

Answer 7. Two separate SANs are needed, one at each data center. The data will be replicated between the data centers.

Question 8. What types of systems (Hardware, OS, and versions) will be connected to the SAN? And, what kinds of HBA cards do you plan on using?

Answer 8. For the current application, HP servers running Windows Server OS and utilizing QLogic HBAs.

Question 9. How long will the time period be in between the Shreveport purchase and the second purchase?

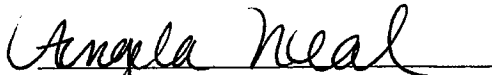
Answer 9. Single purchase.

Question 10. Can multiple scenarios (same product) be presented in the same bid submittal?

Answer 10. No.

This addendum herein becomes a permanent part of Solicitation #005362 and should be submitted with your bid. If your bid has already been mailed or submitted to the Medical Center, your addended bid should be submitted in the space provided at the bottom of this page and placed in the attached envelope, sealed, and submitted to the Louisiana State University Medical Center on or before the above due time and date.

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for: Jeffrey L. Hartgrove, C.P.M.
Director of Purchasing
and Material Management

Addendum Bid:

Firm: _____ Sign: _____

Title: _____ Date: _____